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Application ID: 10722806  
Title of Invention: HEIGHT CALIBRATION OF  
SCANNING PROBE MICROSCOPE  
ACTUATORS  
First Named Inventor: Osamah El Rifai  
Domestic/Foreign Application: Domestic Application  
Filing Date: 2003-11-26  
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Submission Type: Information Disclosure  
Statement  
Filing Type:  
Confirmation number: 8192  
Attorney Docket Number: MIT-135PUS



Total Fees Authorized:


Digital Certificate Holder: cn=Christopher S. Daly,ou=Registered Attorneys,ou=Patent and  
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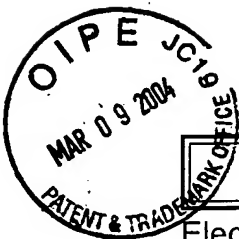


## TRANSMITTAL

Electronic Version v1.1

Stylesheet Version v1.1.0

| Title of Invention   | HEIGHT CALIBRATION OF SCANNING PROBE MICROSCOPE ACTUATORS |                |                           |             |                |   |       |            |  |            |
|--|---|----------------|---------------------------|-------------|----------------|---|-------|------------|--|------------|
| Application Number: 10/722806    |   |                |                           |             |                |   |       |            |  |            |
| Date: 2003-11-26   |   |                |                           |             |                |   |       |            |  |            |
| First Named Applicant: Osamah M El Rifai   |   |                |                           |             |                |   |       |            |  |            |
| Confirmation Number: 8192  |   |                |                           |             |                |   |       |            |  |            |
| Attorney Docket Number: MIT-135PUS   |   |                |                           |             |                |   |       |            |  |            |
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| <table border="1"><thead><tr><th>Submitted by:</th><th>Elec. Sign.</th><th>Sign. Capacity</th></tr></thead><tbody><tr><td>Christopher S Daly<br/>Registered Number: 37,303</td><td>/csd/</td><td>Attorney</td></tr></tbody></table>  |   |                | Submitted by:             | Elec. Sign. | Sign. Capacity | Christopher S Daly<br>Registered Number: 37,303 | /csd/ | Attorney   |  |            |
| Submitted by:  | Elec. Sign.   | Sign. Capacity |                           |             |                |   |       |            |  |            |
| Christopher S Daly<br>Registered Number: 37,303  | /csd/   | Attorney       |                           |             |                |   |       |            |  |            |
| <table><tr><td>Documents being submitted</td><td>Files</td></tr><tr><td>us-ids</td><td>MIT-135PUSids-usidst.xml</td></tr><tr><td></td><td>us-ids.dtd</td></tr><tr><td></td><td>us-ids.xsl</td></tr></table>  |   |                | Documents being submitted | Files       | us-ids         | MIT-135PUSids-usidst.xml                        |       | us-ids.dtd |  | us-ids.xsl |
| Documents being submitted  | Files   |                |                           |             |                |   |       |            |  |            |
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| Comments   |   |                |                           |             |                |   |       |            |  |            |



# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

|   |  |            |            |                  |      |       |          |
|---|--|------------|------------|------------------|------|-------|----------|
| Title of<br>Invention   | HEIGHT CALIBRATION OF SCANNING PROBE<br>MICROSCOPE ACTUATORS |            |            |                  |      |       |          |
| Application Number: 10/722806   |  |            |            |                  |      |       |          |
| Confirmation Number: 8192   |  |            |            |                  |      |       |          |
| First Named Applicant: Osamah El Rifai  |  |            |            |                  |      |       |          |
| Attorney Docket Number: MIT-135PUS  |  |            |            |                  |      |       |          |
| Art Unit: 2829  |  |            |            |                  |      |       |          |
| Search string: ( 5200617 or 5920067 or 6661004 or 5051646<br>or 5641897 or 5825670 or 6016684 or 5665905<br>or 5664512 or 5557156 or 5463897 or 5155359<br>or RE37299 or 5877497 or 5801381 or 5773824<br>or 6244103 or 5898106 or 5804708 or 5497656<br>or 6340858 or 5568003 or 5469734 or 5384507<br>or 6410907 or 6357285 or RE37404 or 5418363<br>or 5306919 or 5198715 or 5801390 or 5077473<br>or 5066858 or RE37560 ).pn. |  |            |            |                  |      |       |          |
| US Patent Documents   |  |            |            |                  |      |       |          |
| Note: Applicant is not required to submit a paper copy of cited US Patent Documents   |  |            |            |                  |      |       |          |
| init  | Cite.No.   | Patent No. | Date       | Patentee         | Kind | Class | Subclass |
|   | 1  | 5200617    | 1993-04-06 | Hayes et al.     |      |       |          |
|   | 2  | 5920067    | 1999-07-06 | Cresswell et al. |      |       |          |
|   | 3  | 6661004    | 2003-12-09 | Aumond et al.    |      |       |          |
|   | 4  | 5051646    | 1991-09-24 | Elings et al.    |      |       |          |
|   | 5  | 5641897    | 1997-06-24 | Schuman          |      |       |          |
|   | 6  | 5825670    | 1998-10-20 | Chernoff et al.  |      |       |          |
|   | 7  | 6016684    | 2000-01-25 | Scheer et al.    |      |       |          |
|   | 8  | 5665905    | 1997-09-09 | Bartha et al.    |      |       |          |
|   | 9  | 5664512    | 1997-07-01 | Chernoff et al.  |      |       |          |
|   | 10   | 5557156    | 1996-09-17 | Elings           |      |       |          |
|   | 11   | 5463897    | 1995-11-07 | Prater et al.    |      |       |          |
|   | 12   | 5155359    | 1992-10-13 | Monahan          |      |       |          |
|   |  |            |            |                  |      |       |          |

|  |    |         |            |                  |
|--|----|---------|------------|------------------|
|  | 13 | RE37299 | 2001-07-31 | Amer et al.      |
|  | 14 | 5877497 | 1999-03-02 | Binnig et al.    |
|  | 15 | 5801381 | 1998-09-01 | Flecha et al.    |
|  | 16 | 5773824 | 1998-06-30 | Flecha et al.    |
|  | 17 | 6244103 | 2001-06-12 | Berghaus et al.  |
|  | 18 | 5898106 | 1999-04-27 | Babcock et al.   |
|  | 19 | 5804708 | 1998-09-08 | Yamanaka et al.  |
|  | 20 | 5497656 | 1996-03-12 | Kado et al.      |
|  | 21 | 6340858 | 2002-01-22 | Jaenker          |
|  | 22 | 5568003 | 1996-10-22 | Deck             |
|  | 23 | 5469734 | 1995-11-28 | Schuman          |
|  | 24 | 5384507 | 1995-01-24 | Takada et al.    |
|  | 25 | 6410907 | 2002-06-25 | Cleveland et al. |
|  | 26 | 6357285 | 2002-03-19 | Allen            |
|  | 27 | RE37404 | 2001-10-09 | Harp et al.      |
|  | 28 | 5418363 | 1995-05-23 | Elings et al.    |
|  | 29 | 5306919 | 1994-04-26 | Elings et al.    |
|  | 30 | 5198715 | 1993-03-30 | Elings et al.    |
|  | 31 | 5801390 | 1992-01-14 | Elings           |
|  | 32 | 5077473 | 1991-12-31 | Elings et al.    |
|  | 33 | 5066858 | 1991-11-19 | Elings et al.    |
|  | 34 | RE37560 | 2002-02-26 | Elings           |

Signature

|               |      |
|---------------|------|
| Examiner Name | Date |
|               |      |